

## EAST Search History

### EAST Search History (Prior Art)

| Ref # | Hits   | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|--|------------------|---------|------------------|
| S1    | 1      | "20070108990"  | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 16:22 |
| S2    | 1      | S1 and arc   | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 16:28 |
| S3    | 1604   | (702/59-62).CCLS.  | US-PGPUB; USPAT; USOCR; EPO                              | OR               | OFF     | 2009/10/29 16:28 |
| S4    | 919    | (702/121-123).CCLS.  | US-PGPUB; USPAT; USOCR; EPO                              | OR               | OFF     | 2009/10/29 16:28 |
| S5    | 143985 | (power energy arc\$3) with monitor\$3                              | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 16:40 |
| S6    | 14802  | arc adj discharg\$3  | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 16:46 |
| S7    | 629    | S5 and S6  | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 16:46 |
| S8    | 137    | S5 and S6 and ((imag\$3 with process\$3) (camera \$3))             | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 16:46 |
| S9    | 0      | S5 and S6 and ((imag\$3 with process\$3) (camera \$3)) and (S3 S4) | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 16:46 |
| S10   | 51766  | ("702").CLAS.  | US-PGPUB; USPAT; USOCR; EPO                              | OR               | OFF     | 2009/10/29 16:47 |
| S11   | 3      | S8 and S10   | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 16:47 |
| S12   | 14     | "1198628"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/10/29 17:11 |
| S13   | 2      | ("1198628").PN.  | US-PGPUB; USPAT; USOCR; EPO                              | OR               | OFF     | 2009/10/29 17:12 |
| S14   | 0      | (arc near discharg\$3) same (electricity with facility)            | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 17:14 |
| S15   | 2      | (arc near discharg\$3) and (electricity with facility)             | US-PGPUB; USPAT; USOCR                                   | OR               | ON      | 2009/10/29 17:14 |

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|-----|------|--|-----------------------------|----|-----|------------------|
| S16 | 13   | ("3007084"   "4019851"   "4089628"   "4147116"). PN. OR ("4228747"). URPN.   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:15 |
| S17 | 2    | ("5772327"   "6294760"). PN. OR ("7343258"). URPN.   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:16 |
| S18 | 20   | (arc\$3 with discharg\$3) same monitor\$3 with camera\$1   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:17 |
| S19 | 23   | (arc\$3 with (fault\$1 failur \$3 fail\$3 discharg\$3)) same monitor\$3 with camera\$1   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:18 |
| S20 | 3    | ("20030074148").PN. OR ("7307820").URPN.   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:22 |
| S21 | 1    | ("20030074148").PN.  | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2009/10/29 17:22 |
| S22 | 0    | S19 and S21  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:22 |
| S23 | 1    | S19 and S20  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:22 |
| S24 | 0    | S21 and (arc\$3) and (imag\$3 camera\$1)   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:23 |
| S25 | 45   | (arc\$3 with (fault\$1 failur \$3 fail\$3 discharg\$3)) with camera\$1   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:25 |
| S26 | 1625 | (arc\$3 with (fault\$1 failur \$3 fail\$3 discharg\$3)) and (electric\$3 with (Plant \$1 facilit\$3))  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:26 |
| S27 | 35   | (arc\$3 with (fault\$1 failur \$3 fail\$3 discharg\$3)) and (electric\$3 with (Plant \$1 facilit\$3)) and (camera \$1) and (imag\$3 with process\$3) | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:26 |
| S28 | 36   | (arc\$3 with locat\$3) and (electric\$3 with (facility facilities)) and (camera \$1)   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:31 |
| S29 | 1    | (09/751970).APP.   | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2009/10/29 17:32 |
| S30 | 0    | S28 and S29  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/10/29 17:33 |

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| S31 | 36 | (arc\$3 with locat\$3) and (electric\$3 with (facility facilities)) and (camera\$1 web\$1cam\$3)                     | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:49 |
| S32 | 46 | (arc\$3 with locat\$3) and (electric\$3 with (facility facilities)) and (camera\$1 web\$1cam\$3 video)               | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:49 |
| S33 | 36 | (arc\$3 with locat\$3) and (electric\$3 with (facility facilities)) and (camera\$1 web\$1cam\$3 )                    | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:50 |
| S34 | 1  | (arc\$3 with discharg\$3 with locat\$3) and (electric \$3 with (facility facilities)) and (camera\$1 web \$1cam\$3 ) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:51 |
| S35 | 1  | (arc\$3 with discharg\$3 with locat\$3) and (electric \$3 with (facility facilities)) and (camera\$1 web \$1cam\$3 ) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:51 |
| S36 | 15 | (arc\$3 with discharg\$3 with locat\$3) and (electric \$3 with (facility facilities))                                | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:51 |
| S37 | 1  | (arc with monitor\$3) and (electricity adj (plant\$1 facilit\$3))  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:52 |
| S38 | 1  | (arc with camera\$1) and (electricity adj (plant\$1 facilit\$3))   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:52 |
| S39 | 3  | (arc with camera\$1) and (electricity with (plant\$1 facilit\$3))  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:52 |
| S40 | 0  | ((discharg\$3 near arc\$1) (eplos\$3)) and (electricity adj facility)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:53 |
| S41 | 0  | ((discharg\$3 with arc\$1) (eplos\$3)) and (electricity adj facility)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:53 |
| S42 | 11 | ((discharg\$3 with arc\$1) (eplos\$3)) and (electricity with facility)   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/29 17:53 |

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|-----|-------|--|---------------------------|----|----|---------------------|
| S43 | 14    | ("20020045993"   "20020105435"   "20050104575"   "5103364"   "5462225"   "5576700"   "5696695"   "5825664"   "5880677"   "6222147"   "6259996"   "6473281"   "6965319").<br>PN. OR ("7130722").<br>URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/10/29<br>17:54 |
| S44 | 1221  | ((electric\$3 power energy) with (plant\$1 facil\$3)) same camera \$1  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/10/29<br>17:56 |
| S45 | 1     | ((electric\$3 power energy) with (plant\$1 facil\$3)) same camera \$1) and (arc\$1 with fault \$1)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/10/29<br>17:56 |
| S46 | 125   | ((electric\$3 power energy) with (plant\$1 facil\$3)) same camera \$1) and (fault\$1)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/10/29<br>17:56 |
| S47 | 188   | ((electric\$3 power energy) with (plant\$1 facil\$3)) same camera \$1) and (fault\$1 explos \$3)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/10/29<br>17:56 |
| S48 | 16    | ((electric\$3 power energy) with (plant\$1 facil\$3)) same camera \$1) and (fault\$1 explos \$3) and arc   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/10/29<br>17:57 |
| S49 | 1     | "20070108990"  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/02<br>09:41 |
| S50 | 3354  | arc with fault\$1  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/02<br>10:07 |
| S51 | 155   | (arc with fault\$1) and (camera imag\$3 video) and ((energy power ) with (system\$1 plant\$1 ))  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/02<br>10:07 |
| S52 | 13265 | (imag\$3 with process\$3) same ((power energy) with system\$1)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/02<br>10:23 |
| S53 | 726   | (imag\$3 with process\$3) same ((power energy) with system\$1) same (fault\$1 fail\$3 error\$1 arc)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/02<br>10:23 |

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| S54 | 91   | (imag\$3 with process\$3) same ((power energy) with system\$1) same (fault\$1 fail\$3 error\$1 arc) same (camera\$1) | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 10:28 |
| S55 | 1    | (11/103512).APP.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/11/02 10:34 |
| S56 | 3    | "11103512"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2009/11/02 10:34 |
| S57 | 4    | (arc with discharg\$3) and ((camera\$1 with imag\$3) with process\$3) and (triangulat\$3)                            | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 10:37 |
| S58 | 0    | (power near system\$1) same (arc with monitor\$3) same (camera\$1 imag\$3)   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 10:43 |
| S59 | 0    | (power near system\$1) same (arc with monitor\$3) same (camera\$1 with imag\$3)                                      | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 10:43 |
| S60 | 7    | (power near system\$1) and (arc with monitor\$3) and (camera\$1 with imag\$3)  | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 10:43 |
| S61 | 106  | (power with system\$1) and (arc with monitor\$3) and (cameras)   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 10:45 |
| S62 | 43   | (power with system\$1) and (arc with monitor\$3) and (cameras) and (imag\$3 with process\$3)                         | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 10:46 |
| S63 | 21   | (((power energy) with system\$1) same (arc with detect\$3)) and (imag\$3 with analys\$3)                             | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 11:31 |
| S64 | 1    | ("4,907,281").pn.  | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 11:36 |
| S66 | 3624 | (382/100).CCLS.  | US-PGPUB; USPAT; USOCR; EPO                              | OR | OFF | 2009/11/02 11:45 |
| S67 | 1    | S66 and S63  | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2009/11/02 11:45 |

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| S68 | 20   | ("4396903"   "4555800"   "4561104").PN. OR ("4907281").URPN.  | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 11:45 |
| S69 | 3128 | (imag\$3 with cameras) and ((fire\$1 arc\$1) with detect\$3)  | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 12:00 |
| S70 | 302  | (imag\$3 with analys\$3) and ((multipl\$3 plural\$3) with cameras) and ((fire \$1 arc\$1) with detect\$3) | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 12:00 |
| S71 | 7    | "3293909"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/02 12:02 |
| S72 | 56   | (hirasawa with masanori) (otsuka with takeshi)  | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 12:08 |
| S73 | 7    | S72 and discharg\$3   | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 12:09 |
| S74 | 2    | "08122399"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/02 12:11 |
| S75 | 0    | "408122399"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/02 12:11 |
| S76 | 0    | (hirasawa with masanori) and (otsuka with takeshi) and arc\$1   | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 12:12 |
| S77 | 0    | (hirasawa with masanori) and (otsuka with takeshi) and (fire\$!)  | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 12:12 |
| S78 | 0    | (hirasawa with masanori) and (otsuka with takeshi) and (camera\$1 imag\$3)                                | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 12:13 |
| S79 | 17   | ((hirasawa with masanori) (otsuka with takeshi)) and (camera\$1 imag\$3)                                  | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2009/11/02 12:13 |
| S80 | 3    | "11103512"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/02 12:15 |

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| S81  | 0    | 08-122399  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2009/11/02<br>12:53 |
| S82  | 0    | ("8-122399").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO                                    | OR | OFF | 2009/11/02<br>12:53 |
| S83  | 0    | ("8-122399").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/11/02<br>12:53 |
| S85  | 2    | "08122399"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2009/11/02<br>12:53 |
| S86  | 2    | ((arc with detect\$3) same<br>substation\$1 ) and<br>(cameras)                             | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>13:11 |
| S87  | 1    | ((arc with detect\$3) with<br>substation\$1 ) and<br>(cameras)                             | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>13:14 |
| S88  | 4    | (arc with substation\$1 )<br>and (cameras)   | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>13:14 |
| S89  | 1535 | (arc with discharg\$3 )<br>and (cameras)   | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>13:16 |
| S90  | 783  | (arc with discharg\$3 )<br>and (cameras with imag<br>\$3)                                  | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>13:16 |
| S91  | 460  | (arc with discharg\$3 )<br>and (cameras with imag<br>\$3) and (imag\$3 with<br>process\$3) | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>13:21 |
| S99  | 79   | (arc with discharg\$3)<br>same (camera\$1 and<br>imag\$3)                                  | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>13:28 |
| S100 | 35   | (arc with discharg\$3 with<br>imag\$3) same (imag\$3<br>with (process\$3 calibrat<br>\$3)) | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>15:07 |
| S101 | 3    | (multiple with arc\$3 with<br>monitor\$3 with camera<br>\$1)                               | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>15:09 |
| S102 | 3    | (multiple with camera\$1)<br>same (arc with monitor<br>\$3)                                | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2009/11/02<br>15:10 |

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| S103 | 6     | ((multiple plural\$3) with camera\$1) same (arc with discharg\$3)   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 15:10 |
| S104 | 159   | ((multiple plural\$3) with camera\$1) and (arc with discharg\$3)  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 15:10 |
| S105 | 98    | ((multiple plural\$3) with camera\$1) and (arc with discharg\$3) and (imag\$3 with (analy\$3 process\$3)) | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 15:11 |
| S106 | 75811 | ((power energy) with (plant\$1 system\$1)) and cameras  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 15:19 |
| S107 | 45    | ((power energy) with (plant\$1 system\$1)) and cameras and (arc with fault\$1)                            | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 15:19 |
| S108 | 42    | ((power energy) with (plant\$1 system\$1)) and cameras and (arc with fault\$1) and imag\$3                | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 15:19 |
| S109 | 3     | ("20030074148").PN. OR ("7307820").URPN.  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 15:22 |
| S110 | 37    | ("5153722").URPN.   | USPAT                       | OR | ON  | 2009/11/02 15:26 |
| S111 | 1     | ("4112463").PN.   | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2009/11/02 15:27 |
| S112 | 16    | ("4112463").URPN.   | USPAT                       | OR | ON  | 2009/11/02 15:29 |
| S113 | 5862  | infrared same NIR   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 16:57 |
| S114 | 297   | infrared same NIR with cameras  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 16:57 |
| S115 | 79    | infrared and NIR adj cameras  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 16:57 |
| S116 | 15    | (fire\$1 with detect\$3) same ((("near" with infrared) (nir)) with camera\$1)                             | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:46 |
| S117 | 8     | (arc near discharg\$3) and ((("near" with infrared) (nir)) with camera\$1)                                | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:48 |
| S118 | 43608 | ((fusion explos\$3 fire) with detect\$3) ((("near" with infrared) (nir)) with camera\$1)                  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:49 |

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| S119 | 20   | ((fusion explos\$3 fire) with detect\$3) same (((("near" with infrared) (nir)) with camera\$1)                     | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:49 |
| S120 | 0    | (arc with discharg\$3) and (power with (plant\$1 system\$1)) same (((("near" with infrared) (nir)) with camera\$1) | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:50 |
| S121 | 0    | (arc with discharg\$3) and (power with (plant\$1 system\$1)) and (((("near" with infrared) (nir)) with camera\$1)  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:51 |
| S122 | 522  | (power with (plant\$1 system\$1)) and (((("near" with infrared) (nir)) with camera\$1)                             | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:51 |
| S123 | 40   | (power with (plant\$1 system\$1)) same (((("near" with infrared) (nir)) with camera\$1)                            | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:51 |
| S124 | 9    | (power with (plant\$1 system\$1)) same (((("near" with infrared) (nir)) with camera\$1) and (explos\$3 fire))      | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 17:51 |
| S125 | 2494 | (702/121-123,59-62). CCLS.   | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2009/11/02 18:57 |
| S126 | 0    | S124 and S125  | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 18:57 |
| S127 | 3    | S125 and S51   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/02 18:58 |
| S128 | 23   | (arc adj fault) same gravity   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/03 09:47 |
| S129 | 13   | ((arc adj fault) same gravity) and fram\$3 and imag\$3   | US-PGPUB; USPAT; USOCR      | OR | ON  | 2009/11/03 09:47 |
| S130 | 0    | ("7492163").URPN.  | USPAT                       | OR | ON  | 2009/11/03 09:48 |

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|------|-----|--|------------------------|----|----|------------------|
| S131 | 17  | ("20030074148"   "20050286185"   "20060227469"   "5729145"   "5835321"   "5839092"   "6031699"   "6259996"   "6362628"   "6417671"   "6459273"   "6504692"   "6556397"   "6567250"   "6590754"   "6744260"   "6943558"). PN. OR ("7492163"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 09:48 |
| S132 | 658 | triangulat\$3 and (center \$3 with gravity) and imag \$3   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 09:50 |
| S133 | 375 | triangulat\$3 and (center \$3 with gravity) and (pixel \$1 and imag\$3 )   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 09:50 |
| S134 | 101 | triangulat\$3 and (center \$3 with gravity) and ((pixel \$1 and imag\$3 ) with co \$1rdinat\$3)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 09:51 |
| S135 | 1   | triangulat\$3 and (center \$3 with gravity) and ((pixel \$1 and imag\$3 ) with co \$1rdinat\$3) and (arc with discharg\$3)   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 09:51 |
| S136 | 1   | triangulat\$3 and (center \$3 with gravity) and ((pixel \$1 and imag\$3 ) with co \$1rdinat\$3) and (arc with fault\$1)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 09:51 |
| S137 | 18  | triangulat\$3 and (center \$3 with gravity) and ((pixel \$1 and imag\$3 ) with co \$1rdinat\$3) and (arc)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 09:51 |
| S138 | 43  | triangulat\$3 and (center \$3 with gravity) and ((pixel \$1 and imag\$3 ) with co \$1rdinat\$3) and (arc fire \$1 flame\$1)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:09 |
| S139 | 24  | triangulat\$3 and (center \$3 with gravity) and ((pixel \$1 and imag\$3 ) with co \$1rdinat\$3) and (fire\$1)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:12 |
| S140 | 1   | (substation\$1 with ((arc with fault\$1 fire) ) and (center with (gravity with (imag\$3 frame\$1))))   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:13 |

|      |     |  |                        |    |    |                  |
|------|-----|--|------------------------|----|----|------------------|
| S141 | 2   | (substation\$1 with ((arc with fault\$1 fire) ) and (center with gravity) and (imag\$3 frame\$1))  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:13 |
| S142 | 226 | ((imag\$3 frame\$1) with gravity) same brightness  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:14 |
| S143 | 57  | (((imag\$3 frame\$1) with gravity) same brightness) and ((substation with power) ((power energy) with (plant\$1 system\$1)))   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:15 |
| S144 | 1   | (((imag\$3 frame\$1) with gravity) same brightness) and ((substation with power) ((power energy) with (plant\$1 system\$1))) and (arc with fault\$1)   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:16 |
| S145 | 1   | (((imag\$3 frame\$1) with gravity) same brightness) and ((substation with power) ((power energy) with (plant\$1 system\$1))) and (arc with (discharg\$3 fault\$1))   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:16 |
| S146 | 1   | (((imag\$3 frame\$1) with gravity) same brightness) and (arc with (discharg\$3 fault\$1))  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:16 |
| S147 | 19  | (((imag\$3 frame\$1) with gravity) same brightness) and (fire combust\$3 fusion)   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:16 |
| S148 | 21  | (((imag\$3 frame\$1) with gravity) same brightness) and (fire flame combust \$3 fusion)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:16 |
| S149 | 1   | (((imag\$3 frame\$1) with gravity) same brightness) and (arc with monitor\$3)  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:17 |
| S150 | 17  | ("20030074148"   "20050286185"   "20060227469"   "5729145"   "5835321"   "5839092"   "6031699"   "6259996"   "6362628"   "6417671"   "6459273"   "6504692"   "6556397"   "6567250"   "6590754"   "6744260"   "6943558"). PN. OR ("7492163"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/11/03 11:17 |

|      |    |                               |                                   |    |     |                     |
|------|----|-------------------------------|-----------------------------------|----|-----|---------------------|
| S151 | 0  | S149 and S150                 | US-PGPUB;<br>USPAT; USOCR         | OR | ON  | 2009/11/03<br>11:18 |
| S152 | 1  | ("5153722").PN.               | US-PGPUB;<br>USPAT; USOCR;<br>EPO | OR | OFF | 2009/11/03<br>12:14 |
| S153 | 1  | S152 and (energy heat<br>\$3) | US-PGPUB;<br>USPAT; USOCR         | OR | ON  | 2009/11/03<br>12:14 |
| S154 | 37 | ("5153722").URPN.             | USPAT                             | OR | ON  | 2009/11/03<br>12:16 |

11/3/2009 1:21:14 PM

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